

HIGH SPEED STEEL DRILLS AND SETS



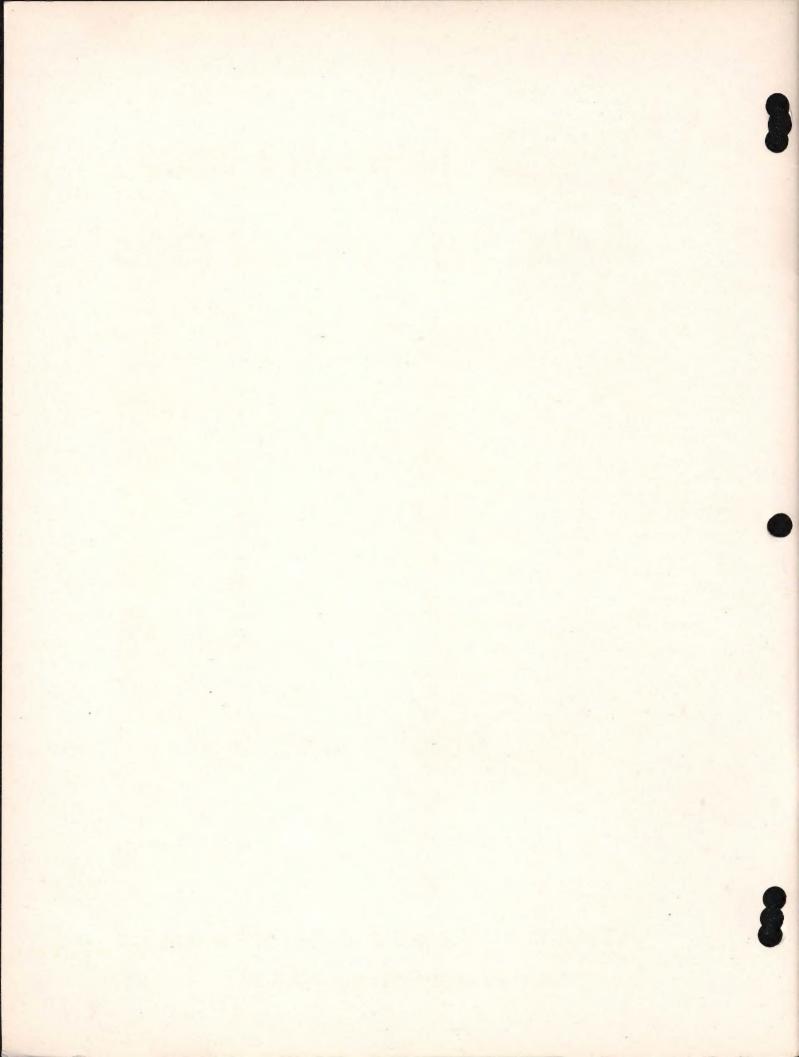
Ace Super Set



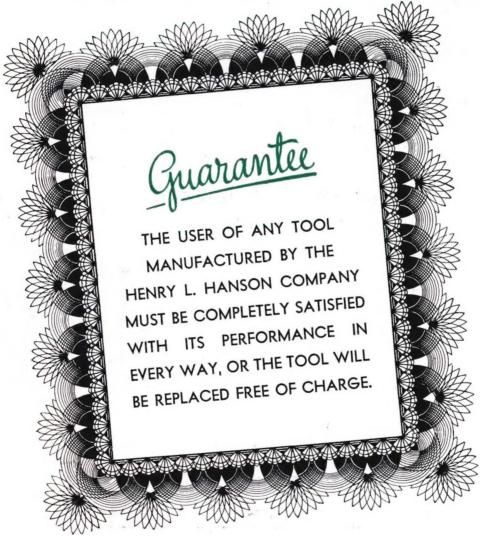
TAPS, DIES AND TOOLS







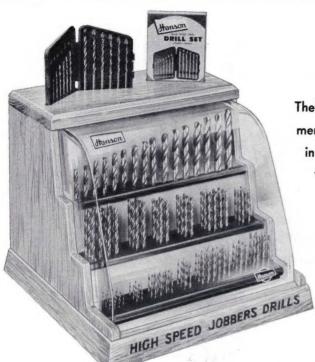




CATALOG NO. 8A

HENRY L. HANSON COMPANY
Worcester, Mass., U.S.A.





Self-Seller

DISPLAY CABINET NO. 157 HIGH SPEED STEEL, JOBBERS LENGTH DRILLS

The Hunson Self-Seller Drill Display answers every problem in the merchandising of drills, from ordering to selling. Beautifully finished in natural oak. The crystal clear cover highlights the drills against the pastel green background. Requires only 14 inch square counter space. Check the following outstanding features

- √ From any angle Displays drills best
 - V Pilfer Proof crystal clear cover
 - √ Controlled inventory storage rack
 - √ Supporting holes serve as drill gauge
 - √ Size and price legibly marked for every size
 - V Quantities varied according to demand

CONTROLLED INVENTORY STORAGE RACK

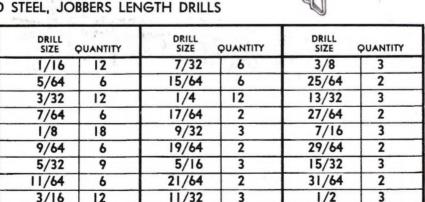
FOR Hunson Self-Seller DISPLAY CABINET OF HIGH SPEED DRILLS

A unique feature, of the cabinet, is the storage rack for extra stock. It has 29 compartments to hold a standard package of each size drill displayed. The hinged cover on the display opens from the front making the storage rack easily accessible or removable. In transferring drills from the rack to the display it is immediately apparent when reordering is necessary.

LIST OF CONTENTS DISPLAY CABINET NO. 157 HIGH SPEED STEEL, JOBBERS LENGTH DRILLS

12

3/16 13/64



11/32

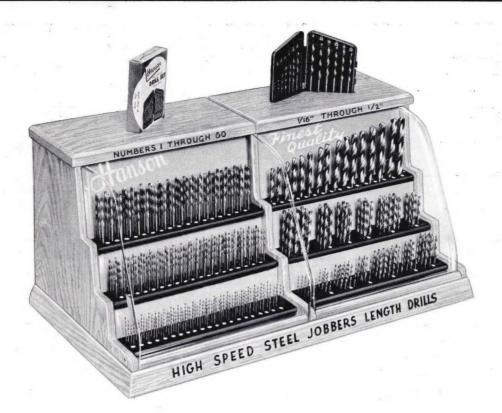
23/64

SHIPPING WEIGHT 22 LBS.



1/2

SET #113



TWIN Self-Seller DISPLAY CABINET OF HIGH SPEED DRILLS

The Human No. 499 TWIN Self-Seller Display for high speed drills combines in one space saving unit the contents of the No. 157 Display of fractional sizes with a complete inventory to display and sell wire gauge drills from No. 1 to No. 60 inclusive. Individual drill gauge holes make selection and stocking easy.

The TWIN Self-Seller Display offers your customers a practically complete assortment of drills with a minimum investment.

The No. 499 Twin Display contains all items in the No. 157 Display plus the following Wire Gauge Drills.

SHIPPING WEIGHT 40 LBS.

1	ORILL SIZE NO.	Quan- tity	DRILL SIZE NO.	Quan- tity																
	1	6	7	12	13	6	19	4	25	8	31	4	37	4	43	8	49	4	55	4
	2	6	8	6	14	6	20	4	26	8	32	4	38	8	44	8	50	4	56	4
1	3	6	9	6	15	6	21	8	27	4	33	8	39	4	45	4	51	4	57	4
	4	6	10	6	16	6	22	4	28	4	34	4	40	8	46	4	52	8	58	4
1	5	6	11	6	17	6	23	4	29	12	35	4	41	4	47.	8	53	4	59	4
	6	6	12	6	18	6	24	4	30	4	36	12	42	4	48	8	54	4	60	4





STYLE NO. 601 JOBBERS' LENGTH,



High Speed
Steel Drills
are of the
Finest Quality
and are
guaranteed

to give complete

consumer satisfaction. They are designed to provide maximum life with minimum

breakage.

4	Consumer	Decimal	LENGTH	IN INCHES	Standard	WEIGHT
Size in Inches	Price Each	Equivalent	Overall	Flute	Package	PER DOZ
1/64		.0156	3/4	3/16	12	
1/3	2	.0312	1-3/8	1/2	12	1
3/64		.0469	1-3/4	3/4	12	1
1/16		.0625	1-7/8	7/8	12	1
5/64		.0781	2	1	12	1
3/3	2	.0938	2-1/4	1-1/4	12	
7/64		.1094	2-5/8	1-1/2	12	2
1/8		.1250	2-3/4	1-5/8	12	2
9/64		.1406	2-7/8	1-3/4	12	2
5/3	2	.1562	3-1/8	2	12	3
11/64		.1719	3-1/4	2-1/8	12	4
3/16		.1875	3-1/2	2-5/16	12	5
13/64		.2031	3-5/8	2-7/16	12	5
7/3	2	.2188	3-3/4	2-1/2	12	6
15/64		.2344	3-7/8	2-5/8	12	7
1/4		.2500	4	2-3/4	12	8
17/64		.2656	4-1/8	2-7/8	6	9
9/3	2	.2812	4-1/4	2-15/16	6	- 11
19/64		.2969	4-3/8	3-1/16	6	12
5/16		.3125	4-1/2	3-3/16	6	13
21/64		.3281	4-5/8	3-5/16	6	14
11/3	2	.3438	4-3/4	3-7/16	6	16
23/64		.3594	4-7/8	3-1/2	6	18
3/8		.3750	5	3-5/8	6	20
25/64		.3906	5-1/8	3-3/4	6	22
13/3	2	.4062	5-1/4	3-7/8	6	24
27/64		.4219	5-3/8	3-15/16	6	27
7/16		.4375	5-1/2	4-1/16	6	30
29/64		.4531	5-5/8	4-3/16	6	33
15/3	2	.4688	5-3/4	4-5/16	6	36
31/64	_	.4844	5-7/8	4-3/8	6	39
1/2		.5000	6	4-1/2	6	43

HIGH SPEED DRILL WITH 1/4" Sure-Grip SHANKS NO. 701

Size in	Consumer	Decimal	LENGTH	IN INCHES	WEIGHT PER DOZ.	
Inches	Price Each	Equivalent	Overall	Flute	OUNCES	
1/4		.2500	3-3/8	2	. 7	
9/32		.2812	3-3/4	2	9	
5/16		.3125	3-7/8	2-1/8	11	
11/32	- 0 - 0	.3438	4-1/8	2-3/16	.14	
3/8		.3750	4-1/4	2-5/16	17	
13/32	1 2	.4062	41/2	2-7/16	20	
7/16	4	.4375	4-5/8	2-5/8	26	
15/32		.4688	4-3/4	2-11/16	31	
1/2	140	.5000	4-7/8	2-3/4	36	



DRILLS are available with 1/4"

Sure-Grip Shanks in sizes 1/4"

and larger. The Sure-Grip Shank prevents the drill from turning in the drill chuck and allows the full power of the drill to be utilized.

Packed in individual, plastic screw top tubes.







Hunson High Speed Steel Drills are available in wire gauge sizes in full jobbers length as listed below. Standard package I dozen of a size.

STYLE NO. 801

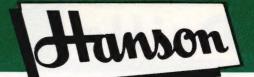
WIRE	CONSUMER	DECIMAL	LENGTH IN INCHE			
GAUGE NO.	PRICE EACH	EQUIVALENT	OVERALL	FLUTE		
1		.2280	37/8	25/8		
2		.2210	3 1/8	25/8		
3		.2130	33/4	21/2		
4		.2090	33/4	21/2		
5		.2055	33/4	21/2		
6		.2040	33/4	21/2		
7		.2010	3 1/8	27/16		
8		.1990	3 1/8	27/16		
9		.1960	35/8	27/16		
10		.1935	35/8	27/16		
11		.1910	31/2	25/16		
12		.1890	31/2	25/16		
13		.1850	31/2	25/16		
14		.1820	33/8	23/16		
15		.1800	33/8	23/16		
16		.1770	33/8	23/16		
17		.1730	33/8	23/16		
18		.1695	31/4	21/8		
19		.1660	31/4	21/8		
20		.1610	31/4	21/8		
21		.1590	31/4	21/8		
22		.1570	31/8	2		
23		.1540	31/8	2		
24		.1520	31/8	2		
25		.1495	3	1 1/8		
26		.1470	3	1 7/8		
27		.1440	3	1 1/8		
28		.1405	27/8	13/4		
29		.1360	2 1/8	13/4		
30		.1285	23/4	1 5/8		
31		.1200	23/4	1 5/8		
32		.1160	23/4	1 5/8		
33		.1130	25/8	11/2		
34		.1110	25/8	11/2		
35		.1100	25/8	11/2		
36		.1065	21/2	1 7/16		
37		.1040	21/2	1 7/16		
38		.1015	21/2	1 7/16		
39		.0995	23/8	1 3/8		
40	,	.0980	23/8	1 3/8		

WIRE	CONSUMER	DECIMAL	LENGTH II	N INCHES
GAUGE NO.	PRICE EACH	EQUIVALENT	OVERALL	FLUTE
41	-	.0960	23/8	1 3/8
42		.0935	21/4	11/4
43		.0890	21/4	11/4
44		.0860	21/8	11/8
45		.0820	21/8	11/8
46		.0810	21/8	11/8
47		.0785	2	1
48		.0760	2	1
49		.0730	2	1
50		.0700	2	1
51		.0670	2	×1
52		.0635	1 1/8	7/8
53		.0595	1 1/8	7/8
54		.0550	1 1/8	7/8
55		.0520	1 1/8	7/8
56		.0465	1 3/4	3/4
57		.0430	13/4	3/4
58		.0420	1 5/8	11/16
59		.0410	1 5/8	11/16
60		.0400	1 5/8	11/16
61		.0390	1 5/8	11/16
62		.0380	11/2	5/8
63		.0370	11/2	5/8
64		.0360	11/2	5/8 5/8
65	-	.0350	11/2	
66		.0330	1 3/8	1/2
67		.0320	13/8	1/2
68		.0310	13/8	1/2
69		.0292	1 3/8	3/8
70				
71		.0260	11/4	3/8
72		.0250	11/8	5/16
73		.0240	11/8	5/16
74		.0225	1	1/4
75		.0210		1/4
76		.0200	7/8	3/16
77		.0180	7/8	3/16
78		.0160	7/8	3/16
79		.0145	3/4	3/16
80		.0135	3/4	3/16

SHIPPING WEIGHTS:

No. 1 Through 15-6 ozs. per doz. No. 16 Through 30-4 ozs. per doz. No. 31 Through 50—2 ozs. per doz. No. 51 Through 80—1 oz. per doz.





SET NO. 113 PRICE \$ EACH

Weight 8 oz.

Contains one each size drill, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, and 1/4".

Packed in an attractive, lightweight, unbreakable polyethylene case, every drill is instantly accessible and held firmly in place. Ideal for carrying as the smooth, rounded edges will not tear or wear through pockets. Hinge and Clasp are built into case and are practically indestructible.

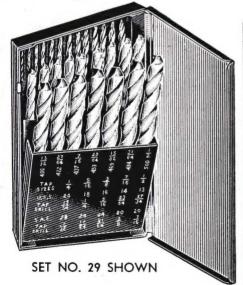


Shanks are packed in an attractive green plastic, snap fastener case. Sure-Grip Shanks deliver all the power to the cutting edge of the drill as they prevent slipping of the drill in the chuck.

SET NO.	SIZES	PRICE	WEIGHT EACH
414	5/16 3/8 7/16 1/2		8 oz.
145	1/4 5/16 3/8 7/16 1/2		9 oz.



Hanson High Speed Jobbers' Length Drills are also packed in metal drill indexes as listed below.



SET NO. 13 Contains same sizes as set No. 1	PRICE 13.	\$	EACH	WT. ½ LB. EA.
SET NO. 15 Holds 15 drills ranging from size and is packed in the same inde		1/2" b		WT. 2½ LB. EA.
SET NO. 29 Holds 29 drills with a range fr	PRICE om 1/16" †			WT. 3½ LB. EA.
SET NO. 60 Holds 60 wire gauge drills from	PRICE No. 1 to N			WT. I¼ LB. EA.
SET NO. 80 Holds 20 wire gauge drills from Packed in round stand with clear		No. 80		WT. 2 OZ. EA.

Drills







DRILL THIS SIZE HOLE		TO TAP FOR THIS	TO ALLOW CLEARANCE	FOR TH WOOD SCR	IS SIZE EW PILOT	TO CLEAR
DRILL	DEC. EQUIV.	SIZE BOLT OR SCREW	FOR THIS SIZE BOLT	IN SOFT WOOD	IN HARD WOOD	SCREW
		- CM 54M211		поов	HOOD	
60 59	.0400					-
58	.0410			N. 2		
57	.0430			No. 3		
56	.0465	0x80				
		UNGO				
3/64	.0469					
55	.0520			No. 4	N 0	
54	.0550	1x56			No. 3	
53	.0595	1x64, 1x72		No. 5		
1/16	.0625					
52	.0635			No. 6	No. 4	
51	.0670		No. 0	No. 7		
50	.0700	2x56, 2x64				
49	.0730				No. 5	
48	.0760			No. 8		
E /	0701					
5/64	.0781	2,40			Na 4	
47	.0785	3x48	No. 1		No. 6	
46	.0810	3x56	No. 1	Na O		-
44	.0820	4x36		No. 9	No. 7	-
44	.0860	4X30			No. /	_
43	.0890	4x40		No. 10		
42	.0935	4x48	No. 2			
3/32	.0937					
41	.0960					
40	.0980	5x36		No. 11	No. 8	
39	.0995					
38	.1015	5x40		No. 12		
37	.1040	5×44		140. 12	No. 9	No. 3
36	.1069	9277	No. 3		110. 7	1,0.
7/64	.1094					
						-
35	.1100	6x32				
34	.1110	6x36				
33	.1130	6x40			No. 10	
32	.1160			No. 14		No. 4
31	.1200	7x30, 7x32	No. 4		No. 11	
1/8	.1250	7x36				
30	.1285	8x30			No. 12	No. 5
29	.1360	8x32, 8x36	No. 5	No. 16		
28	.1405	8x40				
9/64	.1406					
		0.00				N- /
27	.1440	9x30	N. f	No. 10		No. 6
26	.1470	9x32, 3/16x24	No. 6	No. 18	No. 14	-
25	.1520	10x24			140, 14	
24		10.00				-
23	.1540	10×28				-
5/32	.1562					
22	.1570	10x30				No. 7
21	.1590	10x32				
20	.1610	3/16 x32	No. 7			
19	.1660			No. 20		
18	.1695				No. 16	No. 8
11/64	.1719				140. 10	140. 6
17	.1730		No. 8		-	
16	.1770	12x24	140. 0			-
_	-	12027		No. 24		
15	.1800		-	110. 24		-
14	.1820	12×28				No. 9
13	.1850	12x32		A	No. 18	
3/16	.1875					





+		Ψ		7		
	L THIS HOLE	TO TAP	TO ALLOW CLEARANCE		HIS SIZE REW PILOT	TO
DRILL	DEC. EQUIV.	FOR THIS SIZE BOLT OR SCREW	FOR THIS SIZE BOLT	IN SOFT WOOD	IN HARD WOOD	SCREW
12	.1890		No. 9			
11	.1910					
10	.1935	14x20				No. 10
9	.1960				-	-
8	.1990					+
7	.2010	1/4x20			-	-
13/64	.2031		No. 10		1	-
5	.2055		110. 10			
4	.2090	1/4x24			No. 20	No. 1
3	.2130	1/4x28				
7/32	.2187	1/4x32				
2	.2210					No. 12
1 A	.2280				No. 24	1-
	-				-	+
15/64	.2344		No. 12			
C	.2380					-
D	.2460					
1/4	.2500		No. 14			No. 1
E	.2500					
F	.2570	5/16x18	No. 14			
G 17/64	.2610	5/16x18*	1/4"		-	No. 1
H	.2660	3/10/10	1/7		-	140.11
	_	F /7 / 04			-	+
<u> </u>	.2720	5/16x24				-
K	.2810					
9/32	.2812	5/16x24-32*				
L	.2900					
M	.2950					
19/64	.2969				-	No. 1
N 5/16	.3020	3/8x16-1/8P				+
0	.3160	0,02.0				
Р	.3230					
21/64	.3281	3/8x20-24	5/16"			No. 2
Q	.3332					
R	.3390					
11/32	.3437					-
S	.3480					-
T 23/64	.3580		-		-	-
U	.3680					
3/8	.3750	7/16x14				No. 2
V	.3770					
W	.3860					
25/64		7/16x20	3/8"		-	
Y	.3970	-		-	-	
	_					-
13/32						-
Z 27/64	.4130	1/2x12-1/2x13				
7/16	.4375	1/4" Pipe		-		
29/64	.4531	1/2x20-1/2x24	7/16"			
15/32	.4687	1/2x27	a "	ALL T	AP DRILL S	IZES AR
31/64	.4844	9/16x12		FOR 75	5% FULL TH	READ E
1/2	.5000		_	CEPT		no/ FIII

WHERE SUBSTITUTION IS NECESSARY, USE NEXT LARGER SIZE DRILL.





Self-Seller DISPLAY CABINET CARBON STEEL

A Self-Seller Cabinet on your counter does sell. It puts you in the Tap and Die business for real profits with minimum investment.

The initial assortment of Taps, Dies, Screw Extractors, Die Stocks and Tap Wrenches includes all popular sizes, and is graduated according to normal customer demands. Displayed under the glass cover, they attract attention and invite buying. Requires only 18" x 13" counter space. Ample storage space at back for extra stock, and easy service.

All dies are I" Outside Diameter

List of Contents is shown on next page

FOR LARGE HARDWARE STORES WE CAN SUPPLY A Self-Seller CABINET WITH MORE TOOLS IN EACH SIZE





NO. 196 Self-Seller DISPLAY CABINET

		TH SOLID OR A		
SELLING PRI		SIZE		ONTENTS - UNITS
TAPS	DIES – I" O. D.		TAPS	DIES - I" O. [
		4 x 36	6	3
		4 × 40	6	3
		5 × 40	6	3
		6 x 32	6	4
		8 x 32	6	4
		10 x 24	6	3
		10 x 32	6	3
		12 x 24	4 .	3
		14 × 20	3	3
		3/16 x 24	4	3
		1/4 x 20	5	4
		5/16 x 18	4	3
		3/8 x 16	4	3
		7/16 x 14	3	3
		1/2 x 13	3	3
		1/4 x 28	4	3
		5/16 x 24	4	3
		3/8 x 24	4	3
		7/16 x 20	3	3
		1/2 x 20	3	3
		1/8 PIPE	4	3
		1/4 PIPE	4	2
SELLING PRICE		ITEM	OUR NUMBER	QUANTITY
		Die Stocks	9	2
		Die Stocks	25	
	T	Tap Wrenches	1E	3
	T	Tap Wrenches	11/2E	
	T	Tap Wrenches	2E	2
	Tap ar	d Reamer Wrenches	21	3
	Tap ar	nd Reamer Wrenches	88	2
	S	crew Extractors	2	4
	S	crew Extractors	3	4
	S	crew Extractors	4	4
	S	crew Extractors	5	3

NO. 196 CONTAINS 195 TOOLS COMPLETE WITH SOLID DIES NO. 196A CONTAINS 195 TOOLS COMPLETE WITH ADJUST. DIES





CARBON STEEL TAPS

Ace Taps are made of high carbon, alloy steel. Laboratory controlled heat treatment and modern production methods insure long life and clean, accurate threads. Furnished in right-hand threads only. Taper, Plug or Bottoming types are available in all sizes. Left-hand Taps are special.

MACHINE SCREW STANDARD TAPS

AMERICAN NATIONAL THREAD FORM

SCREW/ GAUGE NO.	NUMBER OF PER IN NC		DIAM. INCHES	PRICE EACH	Weight per Dozen
0		80	.060		3 ozs.
1	64	72	.073		3 ozs.
2	56	64	.086		3 ozs.
3	48	56	.099		3 ozs.
4	40	36*	.112		3 ozs.
5	40	44	.125		3 ozs.
6	32	40	.138		3 ozs.
8	32	36	.164		4 ozs.
10	24	32	.190		5 ozs.
12	24	28	.216		6 ozs.
14	20*		.242		7 ozs.



PIPE TAPS (NPT) TAPERED THREAD

SIZE	THREADS	PRICE	Weight
PIPE	PER INCH	EACH	per Dozen
1/8	27		3/4 lbs
1/4	18		11/2 lbs
3/8	18		2 lbs
1/2	14		31/2 lbs
3/4	14		6 lbs
1	111/2		10 lbs
1-1/4	111/2		17 lbs
1-1/2	111/2		22 lbs
2	111/2		38 lbs

*NS (National Special) Furnished in Self-Seller Cabinets

TAP & REAMER WRENCH



The Ace Tap & Reamer Wrench has two hardened jaws for long wear. Rapid adjustment is obtained by turning the handle. Can be easily taken apart for cleaning. Nickel finish.

NUMBER	CAPACITY (TAPS)	PRICE EACH	Weight per Doz.
88	No. 4 to 1/2"		5 lbs.
98	1/4" to 1"		25 lbs.

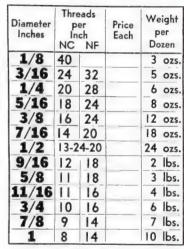
OFFSET TAP & REAMER WRENCH



The Ace offset type Tap & Reamer Wrench is made in 2 sizes, each size obtainable in plain Cadmium or polished Nickel finish. Of less expensive construction than our No. 88 but fully adequate for ordinary use.

NUMBER	CAPACITY (TAPS)	FINISH	PRICE	Weight per Doz.
21	6 x 32 to 1/2"	Cadmium Plate		41/2 lbs.
21KP	6 x 32 to 1/2"	Polished Nickel		6 lbs.
121	1/4" to 1"	Cadmium Plate		24 lbs.
121 KP	1/4" to 1"	Polished Nickel		24 lbs.

CARBON HAND TAPS

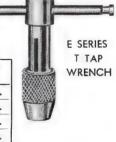


Standard Packages — 1/2 or 1 Dozen of a size to a Box.

T HANDLE TAP WRENCH

Acc T Handle Tap Wrenches (E Series) are the sliding handle type with spring tension to hold handle in any desired position. They are furnished in the sizes listed all with polished bodies and blued nuts.

TAP WRENCH NUMBER	CAPACITY (TAP SIZES)	PRICE	Weight per Doz.
0E	No. 0 to No. 8		11/2 lbs.
1E	No. 0 to No. 12		11/2 lbs.
1-1/2E	No. 12 to 5/16"		3 lbs.
2E	1/4" to 1/2"		5 lbs.









ROUND DIES

Ace DIES ARE ADJUSTABLE OR SOLID. HIGHEST QUALITY CARBON STEEL, CLEAN CUT, ACCURATE THREADS.

MACHINE SCREW STANDARD

SCREW	THRE	ADS	OUTSIDE	OUTSIDE DIAM, PRICE EACH				
GAUGE	PER I		DIAMETER	ADJ.	ADJ.	ADJ.	SOLID	
NUMBER	NC	NF	OF THREAD	5/8"	13/16"	1"		
0		80	.060 in.		X	X	X	
1	64	72	.073 "		X	X	X	
2	56	64	.086 "			X	Х	
3	48	56	.099 ''			X	X	
4	40	36*	.112 "					
5	40	44	.125 "					
6	32	40	.138 "					
8	32	36	.164 "					
10	24	32	.190 ''					
12	24	28	.216 "					
14	20*		.242 ''					
	WE	GHT PI	R DOZ.	5 OZ.	8 OZ.	12 OZ.	12 OZ	

		FRACTIC	NAL	SIZES				
THREAD		EADS	OUTSIDE DIAM. PRICE E					
DIAMETER		INCH	ADJ.	ADJ.	ADJ.	ADJ.	ADJ.	SOLID
	NC 40	NF	78	13/10	-		_	
1/8"	40	1				X	Х	
3/16"	24	32				X	X	
1/4"	20	28					X	
5/16"	18	24					X	
3/8"	16	24	Х	X			X	
7/16"	14	20	X	Х		İ	X	
1/2"	13	20,24	Х	Х				
9/16"	12	18	X	Х	X			X
5/8"	- 11	18	X	Х	Х			X
11/16"	11	16	Х	X	X			X
3/4"	10	16	Х	X	X			X
7/8"	9	14	Х	X	X	Х		X
1"	8	12,14	X	X	Х	Х		Х



ADJUSTABLE





PIPE TAPER THREAD
RIGHT HAND THREAD ONLY

SOLID ROUND PIPE DIES

WEIGHT PER DOZ.

PIPE SIZE	THREADS PER	P	ITSIDE DIA RICE EACH	1
INCHES	INCH	1"	11/2"	2"
1/8"	27			X
1/4"	18			X
3/8"	18	Х		
1/2"	14	X		
WEIGHT P	ER DOZ.	10 OZ.	3 LB.	5 LB.

X Denotes not available.

* National special thread.

5 OZ, 8 OZ, 12 OZ, 2 lbs, 4 lbs. 12 OZ.

Right hand threads only.

Left hand dies are special.

Packaged in 1/2 or 1 doz.

boxes. Dies in No. 196 Self

Seller Display Cabinets

are all 1 inch outside

diameter.

ADJUSTABLE GUIDE DIE STOCKS

Ace adjustable guide DIE STOCKS insure clean accurate threads. The guide is adjustable for the full range of sizes that the Dies will thread. The self centering pins are securely locked by an individual screw for each guide pin which eliminates any play in the guide.



DIE STOCK NUMBER	HOLDS DIES OUTSIDE DIAM.	THREADING RANGE	PRICE EACH	Weight per Doz.
25	l inch	No. 4 to 1/2"		7 lbs.
35	1-1/2 inch	1/4" to 3/4"		18 lbs.
45	2 inch	1/2" to 1"		40 lbs.

PLAIN DIE STOCKS

Acc Plain Die Stocks have no guide. Rugged construction will give long service to anyone experienced in cutting threads.



DIE STOCK NUMBER	HOLDS DIES OUTSIDE DIAM.	THREADING RANGE	PRICE EACH	Weight per Doz.
58	5/8"	No. 0 to 1/4"		2 lbs.
13	13/16"	No. 0 to 5/16"		21/2 lbs.
9	I ^{II}	No. 4 to 1/2"		41/2 lbs.
95	1-1/2"	1/4" to 3/4"		16 lbs.



HEX DIE ADAPTOR NO. 19

The Ace Hex Adaptor is used for holding 1" round dies to thread, or rethread, parts where an ordinary Die Stock could not be used. The hexagon body is 1" and fits all standard 1" hexagon sockets or wrenches. It can also be used with ½" square drive bars. The Hex Adaptor is indispensable for reaching out-of-the-way places.

PRICE EACH \$

WEIGHT 3 OZ.



THIS LIST OF CONTENTS SHOWS IT REALLY IS A SUPER SET

I each No. 25 Die Stock, No. 88 Tap & Reamer Wrench, No. 1E T Tap Wrench, No. 514 Screw Pitch Gauge, Screw Driver and I each Tap and Die in the following sizes:

4 x 36, 6 x 32, 8 x 32, 10 x 24, 10 x 32 and 12 x 24 Machine Screw Standard. $\frac{1}{4}$ x 20, $\frac{5}{16}$ x 18, $\frac{3}{8}$ x 16, $\frac{7}{16}$ x 14, and $\frac{1}{2}$ x 13 NC (U. S. Standard) $\frac{1}{4}$ x 28, $\frac{5}{16}$ x 24, $\frac{3}{8}$ x 24, $\frac{7}{16}$ x 20 and $\frac{1}{2}$ x 20 NF (SAE Standard) $\frac{1}{8}$ " Pipe

SUPER SET NUMBER	TYPE OF DIE PRICE I" O. D. EACH		SHIPPING WEIGHT
614	Solid		4 lbs.
614A	Adjustable		4 lbs.





Only Acc offers this SUPER SET, combining all the advantages of the traditional wooden box, but eliminating excess weight and bulk. The Acc SUPER SET is 5 pounds lighter than the same tools in wooden cases; it is 50% smaller,—yet many times more durable. The tough composition case resists wear, and withstands hard use. Even the hinge, the weakest part of any case, has been laboratory tested for more than 70,000 openings and closings without breaking down. The SUPER SET is fully stocked to meet all average needs, or it can be bought with any number of selected units, and built up from time to time as may be required. Each of the following sets is packed in the SUPER SET box complete with No. 25 Die Stock, Screw Driver and No. 514 Screw Pitch Gauge.

SET NO.	61	51	41	42		46			44
STANDARD	MACH. SCREW	NC	NC	NF	NC	&	NF	NC	& NF
	4 x 36	6 x 32	1/4 x 20	1/4 x 28	1/4 x 2	20 1,	/4 x 28	1/4 x 2	$0 1/4 \times 28$
1 EACH	6 x 32	8 x 32	5/16 x 18	5/16 x 24	5/16 x	18 5,	/16 x 24	5/16 x l	8 5/16 x 24
PLUG	8 x 32	10 x 24	3/8 x 16	3/8 x 24	3/8 x	16 3,	/8 x 24	3/8 x l	6 3/8 x 24
TAP AND	10 x 24	12 x 24	7/16 x 14	7/16 x 20	7/16 x	14 7	/16 x 20	7/16x1	4 7/16 x 20
I" O.D. DIE	10 x 32	1/4 x 20	$1/2 \times 13$	1/2 x 20	1/2 x	13 1	/2 x 20	$1/2 \times 1$	3 1/2 x 20
	12 x 24				1/8 1	PIPE (Solid)	1,	8 PIPE
TYPE OF DIE	ADJ.	ADJ.	ADJ.	ADJ.		ADJ.			SOLID
TAP WRENCH	1 E	88	88	88		88			88
PRICE EACH									
WEIGHT EA.	2 lbs.	21/2 lbs.	21/2 lbs.	21/2 lbs.	3	1/2 lb	s.	3	1/2 lbs.

Set No. 444 Contains same sizes as Set No. 44 except that No. 25 Die Stock and No. 88 Tap and Reamer Wrench are not polished.

FOR DETAILS ON SETS IN WOOD BOXES, SEE PAGES 14 AND 15



TAP AND DIE SETS CARBON STEEL

Acc Tap and Die Sets are packed in a variety of combinations of sizes that answer every requirement. Beautiful wooden boxes and highest quality tools make these sets ideal for mechanic or homeowner. Assembled with Plain Die Stocks, but plain finish, adjustable guide, Die Stocks can be furnished as explained below.

SET NO.	587	613	21	1	2	-	Į.
STANDARD	MACH. SCREW	MACH. SCREW	MACH. SCREW	NC	NF	NC :	& NF
	4 x 36	4 x 36	6 x 32	1/4 x 20	1/4 x 28	1/4 x 20	1/4 x 28
	6 x 32	6 x 32	8 x 32	5/16 x 18	5/16 x 24	5/16 x 18	5/16 x 24
I EACH	8 x 32	8 x 32	10 x 24	3/8 x 16	3/8 x 24	3/8 x 16	3/8 x 24
PLUG TAP	10 x 24	10 x 24	12 x 24	7/16 x 14	7/16 x 20	7/16 x 14	7/16 x 20
AND DIE	10 x 32	10 x 32	1/4 x 20	1/2 x 13	1/2 x 20	1/2 x 13	1/2 x 20
DIE	12 x 24	12 x 24				1/8	PIPE
	1/4 x 20						
DIE O. D.	5/8"	13/16"	["	1"	1"	1	11
DIE TYPE	ADJ.	ADJ.	SOLID	SOLID	SOLID	SO	LID
TAP WRENCH	IE, 21KP	IE, 21KP	21	21	21	2	1
PRICE EACH							
WEIGHT EACH	21/2 lbs.	3 lbs.	3 lbs.	4 lbs.	4 lbs.	6 1	bs.

SETS NOS. I, 2 AND 4, PACKED WITH PLAIN FINISHED NO. 25 DIE STOCKS BECOME:

SET NO. 1G & 2G

PRICE EACH

SHIPPING WEIGHT 41/2 LBS.

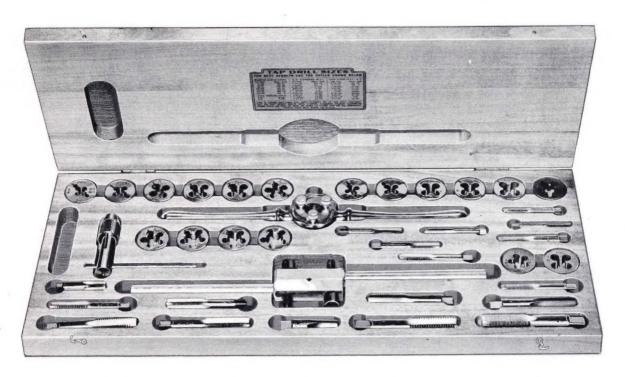
SET NO. 4G

PRICE EACH

SHIPPING WEIGHT 61/2 LBS.



Jools



Acc Tap and Die Sets are assembled with 11/2" and 2" O. D. Dies (Adjustable Type only) in cutting sizes up to 1" diameter. Packed in wooden boxes they make very attractive sets, all with Adjustable Guide Die Stocks and suitable Tap Wrenches.

SET NO.	312	322	3465		251	21	01
STANDARD	NC	NF	NC & N	F	NC	NC & NF	
	1/4 x 20	1/4 x 28	1/4 x 20 1/	4 x 28	9/16 x 12	9/16 x 12	9/16 x 18
	5/16 x 18	5/16 x 24	5/16 x 18 5/	16 x 24	5/8 x 11	5/8 x 18	
	3/8 x 16	3/8 x 24	3/8 x 16 3/	8 x 24	$3/4 \times 10$	3/4 x 10	3/4 x 16
I EACH	7/16 x 14	7/16 x 20	7/16x14 7/	16 x 20	7/8 x 9	7/8 x 9	7/8 x 14
PLUG TAP AND	1/2 x 13	1/2 x 20	1/2 x 13 1/	2 x 20	1 x 8	1 x 8	1 x 14
ADJ. DIE	9/16 x 12	9/16 x 18	9/16 x 12 9/	16 x 18		-1	
ADS. DIE	5/8 x 11	5/8 x 18	5/8 x 11 5/	/8 x 18		O. 251 BOX	
	3/4 x 10	3/4 x 16	3/4 x 10 3/	4 x 16	i	IAS SPACE	
	-		1/8" PIPE*1/4	" PIPE*	FOR	EXTRA SIZI	:5
DIES O.D.	11/2"	11/2"	11/2"		2"	2)''
DIE STOCK NO.	35	35	35		45	4	15
PRICE EACH							
WEIGHT EACH	II lbs.	11 lbs.	17 lbs.		16 lbs.	21	lbs.

^{*} Pipe Dies are solid type.





SCREW EXTRACTORS

For removing broken screws, bolts, studs and pipes that cannot be taken out any other way. A hole is drilled in the broken piece, using size drill marked on extractor to be inserted in the hole.

Counter-clockwise turning of extractor wedges it into the hole and removes the broken piece on its own threads without damage to threaded hole.

Scientific heat treatment of tough alloy steel makes

Screw Extractors practically unbreakable.

Screw Extractor Number	FOR REMOVING SCREWS DIAMETER (INCHES)	Diameter (In.) of Screw Extractor Shank Point		DRILL SIZE Inches	PRICE EACH	Weight Per Dozen	
1	3/32 to 5/32	1/8	.060	No. 47		2 ozs.	
2	5/32 to 7/32	3/16	.080	No. 35		3 ozs.	
3	7/32 to 9/32	1/4	1/8	5/32		4 ozs.	
4	9/32 to 3/8	5/16	3/16	1/4		9 ozs.	
5	3/8 to 5/8-1/8 & 1/4" Pipe	7/16	1/4	19/64		18 ozs.	
6	5/8 to 7/8—3/8" Pipe	5/8	3/8	13/32		21/2 lbs	
7	7/8 to 11/8 & 1/2" Pipe	7/8	15/32	17/32		51/2 lbs	
8	11/8 to 13/8 & 3/4" Pipe	1-1/32	3/4	13/16		8 lbs.	
9	13/8 up & 1" Pipe	1-9/32		1-1/8		14 lbs.	

Standard Packages Nos. 1, 2, 3, 4, 5 - 1 Doz. per Box, Nos. 6, 7, 8, 9 - 1/2 Doz. per Box

SCREW EXTRACTOR SETS

VARIOUS COMBINATIONS ARE AVAILABLE PACKED IN ATTRACTIVE BOXES OR MOUNTED VERTICALLY IN BLOCKS.



SET NUMBER	Contains One Each Screw Extractor	CONTAINS ONE EACH DRILL		WEIGHT EACH
10	Nos. 3, 4, 5	None		I lb.
20	Nos. 2, 3, 4, 5	None	-	I lb.
30	Nos. 5, 6, 7, 8, 9	None		31/2 lbs
35	Nos. 1, 2, 3, 4, 5	None		I lb.
45	Nos. 1, 2, 3, 4, 5, 6	None		11/2 lbs
15	Nos. 3, 4, 5	5/32", 1/4", 19/64"		1 lb.
25	Nos. 2, 3, 4, 5	No. 35, 5/32", 1/4", 19/64"		I lb.

SETS 10-20-15-25 AND 45 IN HINGED COVER BOXES

SETS NOS. 20P and 35P

PACKED IN ATTRACTIVE, SNAP FASTENED CASE TO FIT POCKET OR TOOL BOX

SET NUMBER	CONTAINS I EACH SIZE SCREW EXTRACTOR	PRICE EACH	WEIGHT EACH
20P	Nos. 2, 3, 4, 5		4 ozs.
35P	Nos. 1, 2, 3, 4, 5		5 ozs.



REPAIRMAN'S REAMERS

Repairman's Reamer is a long, tapered reamer, indispensable wherever holes are to be enlarged in sheet metal or other material. Highest quality steel, carefully heat-treated. Convenient T handle eliminates need of a wrench.

Packed 1 dozen per box.

REAMER NUMBER	LENGTH Overall	- INCHES of Taper	DIAM Shank	IETER Point	PRICE EACH	WEIGHT PER DOZEN
120	5-3/4	3-3/4	1/2"	1/8"		21/2 lbs

MICROMETERS

A precision measuring tool at a reasonable price. Correctly proportioned to minimize spring or distortion of frame. Frame is die cast from special alloy; all other parts are steel.

1. Accuracy guaranteed to .0005" in full range of Micrometer. 2. Screw type anvil makes zero adjustment easily obtainable. 3. Spring Friction Stop assures greater accuracy. 4. Accurate thread on spindle running in a steel bushing, firmly fixed to frame, preserves accuracy in continued use. 5. Frame, thimble and ratchet fully chromed. 6. Every Acc Micrometer is checked for accuracy with gauge blocks.

Ace Micrometers are packed in individual boxes, 6 boxes in an eye-catching, colorful counter display carton.

NO. 100 RS – 0" TO 1" WITH SPRING FRICTION STOP. Price Each



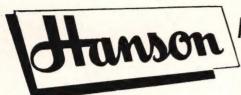
Shipping Wgt. 5 lbs. per doz.



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You will find the Information Chart on page 7 very helpful in answering questions concerning sizes of drills to use for different sizes of Taps and Wood Screws.

We proudly present THE NEW



Hunson No. 113 HIGH SPEED STEEL Jobbers Length DRILL SET





AS A WORTHY COMPANION TO OUR ACE SUPER SET



of TAPS & DIES